Pradical-4

. AIM: Setup and configure a LAN (Local area Network) using switch and Etherner Calales in your slab.

LAN: I local area network report to network that connects devices within serviced area. In as office building, school, home. It enables users to share resources, Procluding data, printers, internet access.

How to set up LAN.

Step: Plan and design appropriate network topology taking into account network requirements and eaupment location

stopa: you can take 4 computers, swift, with Polb. or 24 ports which is sufficient for network of these sig and 4 ethornet cobles.

step 3: connect your computers to network switch via an Ethernet Cable, which is as sample as plugging one end of Ethernet Cable Porto your computer wolfelle front and other end into your hutwork witch.

> Step 4: Assign IP address to your Pis 1. Log on to client computer as Administrator or owner.

2. Click network and Internet, connection.

3. Right wick LANIEthernut - no to proporties -> select Internet, Protocal (TCP) TPVA) - click proporties -> Belect use the following ip address option and assign Spoddyess.

Similarly, assign IP address to all

Rs connected to switch.

Ste PCI-IP address: 10.1.1.1, submet mask

PCZ-IP address. 10.1.12, subnet mask

PC3-IP address: 10.1:1,3, Subnet mask 256-0.0.D

255.0.0.0

PC4-IP address: 10,1.4, Subnet mask 255.0.0.0

step 5: configure network switch

1. connect your computer to switch: To access iswich's web Porterface, you will heed to connect your computer to Switch using Ethernet (able.

2. Log in to web Interface open web prouser and enter IP address of Switch Ph address bon. This should bring up. logen page for Buitch's ueb interface.

Enter username and password to log in

3. configure basic settings once you've

aloged in, you will be able to configure

basic settings for switch

4. Assign IP address as: 10-1.1.5 subnet

mash 255.0.0.0

Step 6: check connectivity between white and other machine by using plag command in command prompt of device step 7: Select folder -> go to properties > with sharing tab -> share it with everyone on same LAN.

other's computer of network.

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To access establish with Porterface, year will

hard to councet your consequent

Result:

Thus LAN (Local Area Network)

using switch and Ethernet cables &

setup and configured.

with war Ethiorest (obser